

REMARKS

Entry of the present preliminary amendment is respectfully requested.

By means of the present preliminary amendment, the current Abstract has been deleted and substituted with the enclosed Substitute Abstract which better conforms to U.S. practice. In addition, FIG 2D and the specification have been amended in the same manner as the parent application serial number 09/348,958, such as changing reference numeral of the last two columns from "44" to --44c-- and --44d--, respectively, and adding to the specification a priority claim to the parent application serial number 09/348,958 which is still pending. Replacement sheet including FIGs 2A-2D is enclosed. Further, a marked-up version of the sheet including FIGs 2A-2D is enclosed for convenience. Approval of the proposed drawing changes is respectfully requested.

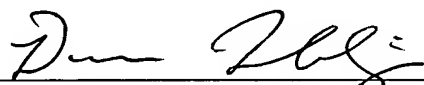
Further, claims 2 and 5-9 have been canceled without prejudice, and claims 1, 3-4 and 10 have been amended for better conformance to U.S. practice, and inclusion of the patentable feature of the allowed claims in the parent application Serial No. 09/348,958 which has been allowed. Moreover, dependent claims 11-21 have been added.

Accordingly, it is respectfully submitted that the present application is in condition for allowance, and a Notice of Allowance is earnestly solicited.

If any informalities remain, the Examiner is requested to telephone the undersigned in order to expedite allowance.

Please charge any fee deficiencies and credit any overpayments to Deposit Account No. 14-1270.

Respectfully submitted,

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Enclosure: Replacement drawing sheet (1 sheet with FIGs 2A-2D)  
Marked-up drawing sheet  
(1 sheet showing changes to FIG 2D)  
Replacement Abstract

REPLACEMENT ABSTRACT

A coding device ~~comprises~~ includes a coding circuit for converting a digital input into a coded output having a greater number of bits than the input, an interleaving circuit for combining a plurality of words of the coded output and producing therefrom a data block ~~comprising~~ having a plurality of the interleaved words, and a puncturing circuit or repeating circuit for puncturing or repeating bits from the data block. The puncturing or repeating circuit uses a deleting or repeating pattern to provide data words for transmission during respective frames of a transmission channel. The deleting or repeating pattern is selected depending upon the characteristics of the coding circuit and of the interleaving circuit. The coding device is for use in a cordless communication system.

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DATA INPUT:  $a_{11}$   $a_{12}$  ----  $a_{1k}$   $a_{21}$   $a_{22}$  ----  $a_{2k}$   $a_{31}$   $a_{32}$  ----  $a_{3k}$  ----

FIG. 2A

DATA INPUT:  $A_{11}$   $A_{12}$  ----  $A_{1n}$   $A_{21}$   $A_{22}$  ----  $A_{2n}$   $A_{31}$   $A_{32}$  ----  $A_{3n}$  ----

FIG. 2B

INTERLEAVING MATRIX

$A_{11}$	$A_{12}$	$A_{13}$	$A_{14}$
$A_{15}$	$A_{16}$	$A_{17}$	$A_{18}$
$A_{21}$	$A_{22}$	$A_{23}$	$A_{24}$
$A_{25}$	$A_{26}$	$A_{27}$	$A_{28}$
$A_{31}$	$A_{32}$	$A_{33}$	$A_{34}$
$A_{35}$	$A_{36}$	$A_{37}$	$A_{38}$
$A_{41}$	$A_{42}$	$A_{43}$	$A_{44}$
$A_{45}$	$A_{46}$	$A_{47}$	$A_{48}$

FIG. 2C

DELETION / REPETITION  
 PATTERN

	44a	44b	44c	44d
	↓	↓	↓	↓
1	0	0	0	
0	1	0	0	
0	0	1	0	
0	0	0	1	
0	0	0	0	
1	0	0	0	
0	1	0	0	
0	0	1	0	

(Proposed Drawing  
 changes)

FIG. 2D